



## FortiAP™ C220C and C225C

FortiAP-C Series Indoor Access Points



## FortiAP C220C and C225C

### FortiAP-C Series Indoor Access Points

#### Cloud-managed Wireless LAN Access Points

The FortiAP-C series are entry-level cloud-managed access points designed for deployment in SMBs and distributed enterprise remote sites that require basic wireless LAN connectivity. Managed through the free FortiCloud provisioning and management portal, they eliminate the CAPEX and complexity of deploying WLAN controllers and management servers.

#### Choice of Hardware Models

Two hardware models provide a choice between 2x2 internal antennas, or 2x2 external antenna connectors. The internal antenna model blends seamlessly into the surrounding environment, while the external antenna model support the use of directional or panel antennas for extended WiFi coverage. The dual Ethernet ports enable bridging of devices like VoIP phones back to the corporate network.

### Highlights

- Provisioned and managed remotely from the cloud through FortiCloud
- No recurring per AP licenses for full-featured cloud-management
- No hidden feature licenses for advanced WiFi capabilities like Rogue AP Detection
- Latest 802.11ac technology with association rate of up to 867 Mbps

### Key Features & Benefits

Cloud Management	No wireless controller required, reducing upfront CAPEX and providing the convenience of cloud management.
802.11ac Wave 1	Entry level 802.11ac access point with speeds up to 867 Mbps.
Two hardware options	Customers can choose either an internal antenna model for quick and easy deployment, or an external antenna model for customized deployment.



FortiCare Worldwide 24x7 Support  
support.fortinet.com



FortiGuard Security Services  
www.fortiguards.com

## HARDWARE

FortiAP C220C

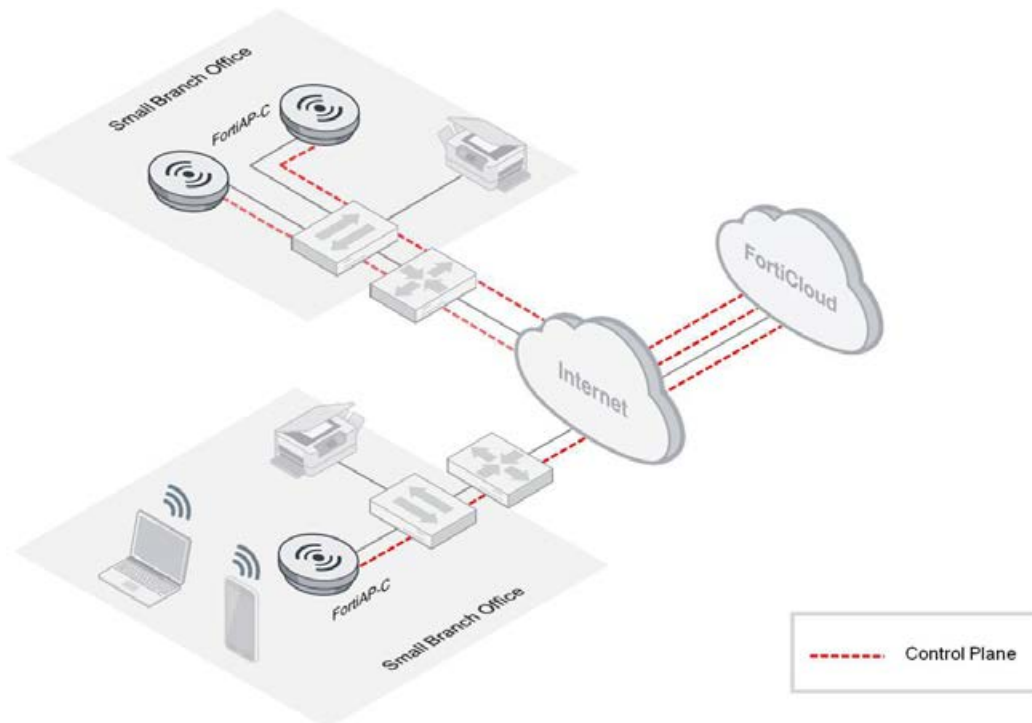


FortiAP C225C



## DEPLOYMENT

FortiAP-C Deployed at Remote Sites



# SPECIFICATIONS

	FortiAP C220C	FortiAP C225C
<b>Hardware</b>		
Hardware Type	Indoor	Indoor
Number of Radios	2	2
Number of Antennas	4 Internal	4 RP-SMA External
Peak Antenna Gain	3.5 dBi for 2.4 GHz, 3.5 dBi for 5 GHz	3 dBi for 2.4 GHz, 3 dBi for 5 GHz
Frequency Bands (GHz) *	2.400–2.4835, 5.150–5.250, 5.470–5.725, 5.725–5.850	2.400–2.4835, 5.150–5.250, 5.470–5.725, 5.725–5.850
Frequency of Radio 1	2.4 GHz b/g/n 20/40 MHz	2.4 GHz b/g/n 20/40 MHz
Frequency of Radio 2	5 GHz a/n/ac 20/40/80 MHz	5 GHz a/n/ac 20/40/80 MHz
Throughput	Radio 1: Up to 300 Mbps Radio 2: Up to 867 Mbps	Radio 1: Up to 300 Mbps Radio 2: Up to 867 Mbps
Tx/Rx Streams	MIMO with 2 spatial streams	MIMO with 2 spatial streams
Ethernet Ports	2x GE RJ45 ports (1x WAN port, 1x LAN port)	2x GE RJ45 ports (1x WAN port, 1x LAN port)
USB Port	1x Type A	1x Type A
Serial Console Port	—	—
Power over Ethernet (PoE)	IEEE 802.3af (12 W)	IEEE 802.3af (12 W)
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8	8
EAP Type(s)	EAP-TLS, EAP-TTLS/MSCHAPv2, EAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST	EAP-TLS, EAP-TTLS/MSCHAPv2, EAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST
User/Device Authentication	WPA™ and WPA2™ with 802.1x or Preshared key, WEP	WPA™ and WPA2™ with 802.1x or Preshared key, WEP
Maximum Tx Power	23 dBm (200 mW)*	23 dBm (200 mW)*
Physical Security	No	No
Mean Time Between Failures	>10 Years	>10 Years
IEEE Specifications	802.11a, 802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x, 802.3af, 802.11ac	802.11a, 802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x, 802.3af, 802.11ac
FortiPresence Capable	No	No
Wireless Mesh Capable	No	No
<b>Advanced 802.11 Features</b>		
Low-density parity check (LDPC) encoding	Yes	Yes
Maximum likelihood demodulation (MLD)	Yes	Yes
Maximum Ratio Combining (MRC)	Yes	Yes
A-MPDU and A-MSDU Packet Aggregation	Yes	Yes
MIMO Power Save	Yes	Yes
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)	Yes (4 priority queues for voice, video, data and background traffic)
<b>Wireless Monitoring Capabilities</b>		
Frequencies Scanned	—	—
Background Scan with Client Access on 2.4 and 5 GHz	No	No
Full-time Scan as Dedicated Monitor	No	No
Full-time Scan with Client Access on 5G GHz	No	No
<b>Dimensions</b>		
Length x Width x Height	8.5 x 8.5 x 1.38 inches (21.6 x 21.6 x 3.5 cm)	8.5 x 8.5 x 1.38 inches (21.6 x 21.6 x 3.5 cm)
Weight	1.02 lb (0.46 kg)	1.02 lb (0.46 kg)
Package (shipping) Weight	1.94 lb (0.88 kg)	1.94 lb (0.88 kg)
Mounting Options	Ceiling, T-Rail and wall	Ceiling, T-Rail and wall
Included Accessories	Ceiling, T-Rail and wall mount kit	Ceiling, T-Rail and wall mount kit
<b>Environment</b>		
Power Supply	Adapter Input: 100–240V, 50/60Hz, 0.9A Maximum Output: 12V DC, 3A	Adapter Input: 100–240V, 50/60Hz, 0.9A Maximum Output: 12V DC, 3A
Power Consumption (Average)	5 W	5 W
Power Consumption (Maximum)	12 W	12 W
Humidity	5–90% non condensing	5–90% non condensing
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	–4–158°F (–20–70°C)	–4–158°F (–20–70°C)
Directives	Low Voltage Directive • RoHS	Low Voltage Directive • RoHS

## SPECIFICATIONS

	FortiAP C220C	FortiAP C225C
<b>Certifications</b>		
WiFi Alliance Certified	No	No
<b>Warranty</b>		
Limited Lifetime Warranty	Yes	Yes

\* Frequency selection and power may be restricted to abide by regional regulatory compliance laws.

## ORDER INFORMATION

Product	SKU	Description
FortiAP C220C	FAP-C220C-A	Indoor Basic Cloud Managed Wireless AP — 2x GE RJ45 LAN port, dual radio with internal antennas (802.11 a/n/ac and 802.11 b/g/n, 2x2 MIMO), ceiling/wall mount kit included, power adapter not included. Includes FortiCloud AP Management License and Limited Lifetime Warranty. For Gigabit PoE injector order: GPI-115.
	FC-10-P220C-311-02-DD	8x5 FortiCare Contract
	FC-10-P220C-247-02-DD	24x7 FortiCare Contract
FortiAP C225C	FAP-C225C-A	Indoor Basic Cloud Managed Wireless AP — 2x GE RJ45 LAN port, dual radio with external antennas (802.11 a/n/ac and 802.11 b/g/n, 2x2 MIMO), ceiling/wall mount kit included, power adapter not included. Includes FortiCloud AP Management License and Limited Lifetime Warranty. For Gigabit PoE injector order: GPI-115.
	FC-10-P225C-311-02-DD	8x5 FortiCare Contract
	FC-10-P225C-247-02-DD	24x7 FortiCare Contract
<b>Optional Accessories</b>		
Gigabit PoE Injector	GPI-115	1-Port Gigabit PoE Power Injector, 802.3af 15.4 Watts 10/100/1000.
FortiAP-FPL	FAP-FPL-PRO	FortiPlanner Wireless AP Deployment Planning Utility — Pro upgrade license unlocks FortiPlanner lite (free version) to support more than 50 Access Points and includes site survey tool. Requires Windows 7.
Proprietary PoE Injector	SP-FAP112B-PA-XX	Proprietary PoE injector with AC power adapter.

REGION/COUNTRY SKU SUFFIX*								
Americas-FCC	Europe ETSI	International	Japan	Korea	Non-FFCA	Singapore	Taiwan	World 2.4G
-A	-E	-I	-J	-K	-N	-S	-T	-W

\* For the complete list of countries and regions, refer to <http://www.fortinet.com/wireless>.



GLOBAL HEADQUARTERS  
Fortinet Inc.  
899 Kifer Road  
Sunnyvale, CA 94086  
United States  
Tel: +1.408.235.7700  
[www.fortinet.com/sales](http://www.fortinet.com/sales)

EMEA SALES OFFICE  
905 rue Albert Einstein  
Valbonne 06560  
Alpes-Maritimes, France  
Tel: +33.4.8987.0500

APAC SALES OFFICE  
300 Beach Road 20-01  
The Concourse  
Singapore 199555  
Tel: +65.6395.2788

LATIN AMERICA SALES OFFICE  
Sawgrass Lakes Center  
13450 W. Sunrise Blvd., Suite 430  
Sunrise, FL 33323  
United States  
Tel: +1.954.368.9990